

10-29-03

10696486

PTO/SB/082a (06-03)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449AVB/PTO				Complete if Known	
				Application Number	Not Yet Assigned
				Filing Date	Concurrently Herewith
				First Named Inventor	Yoshihiko Morikawa
				Art Unit	1748
				Examiner Name	M. Kornakov
Sheet	1	of	1	Attorney Doctor Number	KAMMON 3.0-062 DIV

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number+Kind Code <sup>2</sup> (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
MK	AA	US-3,948,703	04-06-1976	Kazuyoshi Kushiba	
MC	AB	US-5,532,094	07-02-1996	Arimura et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> +Number <sup>4</sup> +Kind Code <sup>5</sup> (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
MC	BA	GB-2 105 086-A1	04-07-1983	Dart Industries Inc.	
	BB	DE-197 32 419-A1	02-05-1998	Ebara Densan Ltd.	
	BC	EP-0 690 660-A1	01-13-1999	Mec Co. Ltd.	
	BD	WO-96/19097-A1	06-20-1996	Alpha Fry Ltd.	
MK	BE	EP-0 620 293-A1	10-19-1994	Mec Co. Ltd.	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
MK	CA	Abstract of Japan Publication No. 6-192855			
	CB	Abstract of Japan Publication No. 6-179984			
	CC	Abstract of Japan Publication No. 51-27819			
	CD	Abstract of Japan Publication No. 53-32341			
	CE	Abstract of Japan Publication No. 11-29883			
	CF	Abstract of Japan Publication No. 10096088 A			
MK	CG	Abstract of Japan Publication No. 09041162 A			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	12/27/04
--------------------	---	-----------------	----------